Name of Work: Providing cement concrete road and drain and ulverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

PRE-MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Pre-Measurement : 19.11.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)							
	Doddabettahalli							
	Main Road, LHS							
	Ch: 0 to 23.2m		1	23.20	1.50	1.20	41.76	
	Road gap							
	Ch: 0 to 28.70m		1	28.70	1.50	1.20	51.66	
	Road gap							
	Ch: 0 to 26.3m		1	26.30	1.50	1.20	47.34	
	Road gap							
	Ch: 0 to 26.7m		1	26.70	1.50	1.20	48.06	
	Road gap							
	Ch: 0 to 27.50m		1	27.50	1.50	1.20	49.50	
	Road gap							
	Ch: 0 to 3.90m		1	3.90	1.50	1.20	7.02	
	Gap							
	Ch: 0 to 17.60m		1	17.60	1.50	1.20	31.68	
	Cross Road - 1							
	RHS							
	Ch: 0 to 4.7m		1	4.70	1.20	1.10	6.20	
	Ch: 4.7 to 34.7m		1	30.00	1.20	1.10	39.60	
	Ch: 34.7 to 64.7m		1	30.00	1.20	1.10	39.60	
	Ch: 64.7 to 78.2m		1	13.50	1.20	1.10	17.82	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 34.9m		1	4.90	1.20	1.10	6.47	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 33.4m		1	3.40	1.20	1.10	4.49	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 37.4m		1	7.40	1.20	1.10	9.77	
	Road Gap							
	Ch: 0 to 26.9m		1	26.90	1.20	1.10	35.51	
	Cross Road - 2							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 31.9m		1	1.90	1.20	1.10	2.51	
	Road Gap							
	Ch: 0 to 14.4m		1	14.40	1.20	1.10	19.01	

	Ch: 14.4 to 27.8m		1	13.40				
	Ch: 27.8 to 36.2m		1	8.40	1.20	1.10	11.09	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 34.0m		1	4.00	1.20	1.10	5.28	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 34.10m		1	4.10	1.20	1.10	5.41	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 37.90m		1	7.90	1.20	1.10	10.43	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 31.6m		1	1.60	1.20	1.10	2.11	
	Cross Road - 3							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 33.2m		1	3.20	1.20	1.10	4.22	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 32.9m		1	2.90	1.20	1.10	3.83	
	Cross Road - 4							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 34.00m		1	4.00	1.20	1.10	5.28	
	Cross Road - 5							
	LHS							
	Ch: 0 to 17.0m		1	17.00	1.10	1.10	20.57	
	RHS							
	Ch: 0 to 17.0m		1	17.00	1.10	1.10	20.57	
	Cross Road - 6							
	LHS							
	Ch: 0 to 23.0m		1	23.00	1.20	1.10	30.36	
	Cross Road - A, Frm Cross rd 2							
	LHS							
	Ch: 0 to 24.80m		1	24.80	1.10	1.10	30.01	
	Road gap							
	Ch: 0 to 25.20m		1	25.20	1.10	1.10	30.49	
	Road gap							
	Ch: 0 to 25.00m		1	25.00	1.20	1.10	33.00	
	Cross Road - B, Frm Cross rd A							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	1.10	39.60	
	Ch: 30 to 36.10m		1	6.10	1.20	1.10	8.05	
	Debris							
			1	15.00	2.00	0.30	9.00	
			1	20.00	1.80	0.40	14.40	
			1	23.00	2.20	0.60	30.36	
			1	16.00	2.00	0.45	14.40	
			1	10.00	2.50	0.40	10.00	

			1	18.00	2.00	0.60	21.60	
			1	12.00	1.80	0.55	11.88	
			1	14.00	1.50	0.55	11.55	
	Culvert							
	Mn Rd-1		1	5.30	1.60	1.20	10.18	
	Mn Rd-2		1	4.50	2.00	1.20	10.80	
	Mn Rd-3		1	5.20	1.60	1.20	9.98	
	Mn Rd-4		1	6.40	1.60	1.20	12.29	
	Mn Rd-5		1	6.00	2.00	1.20	14.40	
	Cross Rd-1		1	6.50	1.50	1.20	11.70	
	Cross Rd-2		1	5.60	1.60	1.20	10.75	
	Cross Rd-2		1	6.00	1.50	1.20	10.80	
	Cross Rd-2		1	6.80	1.50	1.20	12.24	
						Present Qty	**1380.23**	**Cum**

Contractor

NEWZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

Asst. Executive Engineer

19.11.2019

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Pre-Measurement : 29.11.2019

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)							
	Doddabettahalli							
	Main Road, LHS							
	Ch: 0 to 23.2m		1	23.20	1.50	0.15	5.22	
	Road gap							
	Ch: 0 to 28.70m		1	28.70	1.50	0.15	6.46	
	Road gap							
	Ch: 0 to 26.3m		1	26.30	1.50	0.15	5.92	
	Road gap							
	Ch: 0 to 26.7m		1	26.70	1.50	0.15	6.01	
	Road gap							
	Ch: 0 to 27.50m		1	27.50	1.50	0.15	6.19	
	Road gap							
	Ch: 0 to 3.90m		1	3.90	1.50	0.15	0.88	
	Gap							
	Ch: 0 to 17.60m		1	17.60	1.50	0.15	3.96	
	Cross Road - 1							
	RHS							
	Ch: 0 to 4.7m		1	4.70	1.20	0.15	0.85	
	Ch: 4.7 to 34.7m		1	30.00	1.20	0.15	5.40	
	Ch: 34.7 to 64.7m		1	30.00	1.20	0.15	5.40	
	Ch: 64.7 to 78.2m		1	13.50	1.20	0.15	2.43	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 34.9m		1	4.90	1.20	0.15	0.88	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 33.4m		1	3.40	1.20	0.15	0.61	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 37.4m		1	7.40	1.20	0.15	1.33	
	Road Gap							
	Ch: 0 to 26.9m		1	26.90	1.20	0.15	4.84	
	Cross Road - 2							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 31.9m		1	1.90	1.20	0.15	0.34	
	Road Gap							

	Ch: 0 to 14.4m		1	14.40	1.20	0.15	2.59	
	Ch: 14.4 to 27.8m		1	13.40				
	Ch: 27.8 to 36.2m		1	8.40	1.20	0.15	1.51	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 34.0m		1	4.00	1.20	0.15	0.72	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 34.10m		1	4.10	1.20	0.15	0.74	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 37.90m		1	7.90	1.20	0.15	1.42	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 31.6m		1	1.60	1.20	0.15	0.29	
	Cross Road - 3							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 33.2m		1	3.20	1.20	0.15	0.58	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 32.9m		1	2.90	1.20	0.15	0.52	
	Cross Road - 4							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 34.00m		1	4.00	1.20	0.15	0.72	
	Cross Road - 5							
	LHS							
	Ch: 0 to 17.0m		1	17.00	1.10	0.15	2.81	
	RHS							
	Ch: 0 to 17.0m		1	17.00	1.10	0.15	2.81	
	Cross Road - 6							
	LHS							
	Ch: 0 to 23.0m		1	23.00	1.20	0.15	4.14	
	Cross Road - A, Frm Cross rd 2							
	LHS							
	Ch: 0 to 24.80m		1	24.80	1.10	0.15	4.09	
	Road gap							
	Ch: 0 to 25.20m		1	25.20	1.10	0.15	4.16	
	Road gap							
	Ch: 0 to 25.00m		1	25.00	1.20	0.15	4.50	
	Cross Road - B, Frm Cross rd A							
	RHS							
	Ch: 0 to 30.00m		1	30.00	1.20	0.15	5.40	
	Ch: 30 to 36.10m		1	6.10	1.20	0.15	1.10	
	For KERB Stone							
	Main Road, LHS							
	Ch: 0 to 23.2m		1	23.20	0.25	0.10	0.58	
	Road gap							
	Ch: 0 to 28.70m		1	28.70	0.25	0.10	0.72	

	Road gap							
	Ch: 0 to 26.3m		1	26.30	0.25	0.10	0.66	
	Road gap							
	Ch: 0 to 26.7m		1	26.70	0.25	0.10	0.67	
	Road gap							
	Ch: 0 to 27.50m		1	27.50	0.25	0.10	0.69	
	Road gap							
	Ch: 0 to 3.90m		1	3.90	0.25	0.10	0.10	
	Gap							
	Ch: 0 to 17.60m		1	17.60	0.25	0.10	0.44	
	Gap							
	Culvert							
	Mn Rd-1		1	5.30	1.60	0.15	1.27	
	Mn Rd-2		1	4.50	2.00	0.15	1.35	
	Mn Rd-3		1	5.20	1.60	0.15	1.25	
	Mn Rd-4		1	6.40	1.60	0.15	1.54	
	Mn Rd-5		1	6.00	2.00	0.15	1.80	
	Cross Rd-1		1	6.50	1.50	0.15	1.46	
	Cross Rd-2		1	5.60	1.60	0.15	1.34	
	Cross Rd-2		1	6.00	1.50	0.15	1.35	
	Cross Rd-2		1	6.80	1.50	0.15	1.53	
						Present Qty	**170.94**	**Cum**

C & FC

29/11/2019

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರ್
ಯಲಹಂಕ ಉಪವಿಭಾಗ / Assistant Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

29.11.2019

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Pre-Measurement : 8/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per							
	RAFT							
	Doddabettahalli							
	Main Road, LHS							
	Ch: 0 to 23.2m		1	23.20	1.40	0.20	6.50	
	Road gap							
	Ch: 0 to 28.70m		1	28.70	1.40	0.20	8.04	
	Road gap							
	Ch: 0 to 26.3m		1	26.30	1.40	0.20	7.36	
	Road gap							
	Ch: 0 to 26.7m		1	26.70	1.40	0.20	7.48	
	Road gap							
	Ch: 0 to 27.50m		1	27.50	1.40	0.20	7.70	
	Road gap							
	Ch: 0 to 3.90m		1	3.90	1.40	0.20	1.09	
	Gap							
	Ch: 0 to 17.60m		1	17.60	1.40	0.20	4.93	
	Cross Road - 1							
	RHS							
	Ch: 0 to 4.7m		1	4.70	1.10	0.15	0.78	
	Ch: 4.7 to 34.7m		1	30.00	1.10	0.15	4.95	
	Ch: 34.7 to 64.7m		1	30.00	1.10	0.15	4.95	
	Ch: 64.7 to 78.2m		1	13.50	1.10	0.15	2.23	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 34.9m		1	4.90	1.10	0.15	0.81	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 33.4m		1	3.40	1.10	0.15	0.56	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 37.4m		1	7.40	1.10	0.15	1.22	
	Road Gap							
	Ch: 0 to 26.9m		1	26.90	1.10	0.15	4.44	
	Cross Road - 2							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 31.9m		1	1.90	1.10	0.15	0.31	

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.

	Road Gap							
	Ch: 0 to 14.4m		1	14.40	1.10	0.15	2.38	
	Ch: 14.4 to 27.8m		1	13.40				
	Ch: 27.8 to 36.2m		1	8.40	1.10	0.15	1.39	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 34.0m		1	4.00	1.10	0.15	0.66	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 34.10m		1	4.10	1.10	0.15	0.68	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 37.90m		1	7.90	1.10	0.15	1.30	
	Road Gap							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 31.6m		1	1.60	1.10	0.15	0.26	
	Cross Road - 3							
	RHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 33.2m		1	3.20	1.10	0.15	0.53	
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 32.9m		1	2.90	1.10	0.15	0.48	
	Cross Road - 4							
	LHS							
	Ch: 0 to 30.0m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 34.00m		1	4.00	1.10	0.15	0.66	
	Cross Road - 5							
	LHS							
	Ch: 0 to 17.0m		1	17.00	0.90	0.15	2.30	
	RHS							
	Ch: 0 to 17.0m		1	17.00	0.90	0.15	2.30	
	Cross Road - 6							
	LHS							
	Ch: 0 to 23.0m		1	23.00	1.10	0.15	3.80	
	Cross Road - A, Frm Cross rd 2							
	LHS							
	Ch: 0 to 24.80m		1	24.80	0.90	0.15	3.35	
	Road gap							
	Ch: 0 to 25.20m		1	25.20	0.90	0.15	3.40	
	Road gap							
	Ch: 0 to 25.00m		1	25.00	1.10	0.15	4.13	
	Cross Road - B, Frm Cross rd A							
	RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
	Ch: 30 to 36.10m		1	6.10	1.10	0.15	1.01	
	WALL							
	Doddabettahalli							
	Main Road, LHS							
	Ch: 0 to 23.2m		2	23.20	0.18	0.90	7.52	

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.

	Road gap							
	Ch: 0 to 28.70m		2	28.70	0.18	0.90	9.30	
	Road gap							
	Ch: 0 to 26.3m		2	26.30	0.18	0.90	8.52	
	Road gap							
	Ch: 0 to 26.7m		2	26.70	0.18	0.90	8.65	
	Road gap							
	Ch: 0 to 27.50m		2	27.50	0.18	0.90	8.91	
	Road gap							
	Ch: 0 to 3.90m		2	3.90	0.18	0.90	1.26	
	Gap							
	Ch: 0 to 17.60m		2	17.60	0.18	0.90	5.70	
	Cross Road - 1							
	RHS							
	Ch: 0 to 4.7m		2	4.70	0.15	0.60	0.85	
	Ch: 4.7 to 34.7m		2	30.00	0.15	0.60	5.40	
	Ch: 34.7 to 64.7m		2	30.00	0.15	0.60	5.40	
	Ch: 64.7 to 78.2m		2	13.50	0.15	0.60	2.43	
	Road Gap							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 34.9m		2	4.90	0.15	0.60	0.88	
	LHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 33.4m		2	3.40	0.15	0.60	0.61	
	Road Gap							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 37.4m		2	7.40	0.15	0.60	1.33	
	Road Gap							
	Ch: 0 to 26.9m		2	26.90	0.15	0.60	4.84	
	Cross Road - 2							
	RHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 31.9m		2	1.90	0.15	0.60	0.34	
	Road Gap							
	Ch: 0 to 14.4m		2	14.40	0.15	0.60	2.59	
	Ch: 14.4 to 27.8m		2	13.40				
	Ch: 27.8 to 36.2m		2	8.40	0.18	0.60	1.51	
	Road Gap							
	Ch: 0 to 30.0m		2	30.00	0.18	0.60	5.40	
	Ch: 30 to 34.0m		2	4.00	0.15	0.60	0.72	
	LHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 34.10m		2	4.10	0.15	0.60	0.74	
	Road Gap							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 37.90m		2	7.90	0.15	0.60	1.42	
	Road Gap							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 31.6m		2	1.60	0.15	0.60	0.29	
	Cross Road - 3							

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.

	RHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 33.2m		2	3.20	0.15	0.60	0.58	
	LHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 32.9m		2	2.90	0.15	0.60	0.52	
	Cross Road - 4							
	LHS							
	Ch: 0 to 30.0m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 34.00m		2	4.00	0.15	0.60	0.72	
	Cross Road - 5							
	LHS							
	Ch: 0 to 17.0m		2	17.00	0.15	0.60	3.06	
	RHS							
	Ch: 0 to 17.0m		2	17.00	0.15	0.60	3.06	
	Cross Road - 6							
	LHS							
	Ch: 0 to 23.0m		2	23.00	0.15	0.60	4.14	
	Cross Road - A, Frm Cross rd 2							
	LHS							
	Ch: 0 to 24.80m		2	24.80	0.15	0.60	4.46	
	Road gap							
	Ch: 0 to 25.20m		2	25.20	0.15	0.60	4.54	
	Road gap							
	Ch: 0 to 25.00m		2	25.00	0.15	0.60	4.50	
	Cross Road - B, Frm Cross rd A							
	RHS							
	Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
	Ch: 30 to 36.10m		2	6.10	0.15	0.60	1.10	
	Culvert Raft							
	Mn Rd-1		1	5.30	1.50	0.20	1.59	
	Mn Rd-2		1	4.50	1.80	0.20	1.62	
	Mn Rd-3		1	5.20	1.50	0.20	1.56	
	Mn Rd-4		1	6.40	1.50	0.20	1.92	
	Mn Rd-5		1	6.00	1.80	0.20	2.16	
	Cross Rd-1		1	6.50	1.30	0.20	1.69	
	Cross Rd-2		1	5.60	1.50	0.20	1.68	
	Cross Rd-2		1	6.00	1.30	0.20	1.56	
	Cross Rd-2		1	6.80	1.30	0.20	1.77	
	Culvert Wall							
	Mn Rd-1		2	5.30	0.23	0.55	1.34	
	Mn Rd-2		2	4.50	0.23	0.55	1.14	
	Mn Rd-3		2	5.20	0.23	0.55	1.32	
	Mn Rd-4		2	6.40	0.23	0.55	1.62	
	Mn Rd-5		2	6.00	0.23	0.55	1.52	
	Cross Rd-1		2	6.50	0.23	0.55	1.64	
	Cross Rd-2		2	5.60	0.23	0.55	1.42	
	Cross Rd-2		2	6.00	0.23	0.55	1.52	
	Cross Rd-2		2	6.80	0.23	0.55	1.72	
	Culvert Ramp							

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.

	Mn Rd-1		2	5.30	0.45	0.10	0.48	
	Mn Rd-2		2	4.50	0.40	0.10	0.36	
	Mn Rd-3		2	5.20	0.40	0.10	0.42	
	Mn Rd-4		2	6.40	0.45	0.10	0.58	
	Mn Rd-5		2	6.00	0.40	0.10	0.48	
	Cross Rd-1		2	6.50	0.45	0.10	0.59	
	Cross Rd-2		2	5.60	0.40	0.10	0.45	
	Cross Rd-2		2	6.00	0.40	0.10	0.48	
	Cross Rd-2		2	6.80	0.40	0.10	0.54	
						Present Qty	**355.18**	**Cum**

CC&C

Contractor

NEWZEN CONSULTANT PMC BANGALORE

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಪಾಲಿಕೆ
ಬಿ ಬಿ ಎಂ ಪಿ, ಬೆಂಗಳೂರು-106

Asst. Executive Engineer,

8/1/2020

8/1/2020

2. ಮುಖ್ಯ ಲೆಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿ

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Pre-Measurement : 8.1.2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500.							
	Doddabettahalli							
	Main Road, LHS							
	Total Drain length=153.90m							
	Main bar 12mm dia bar @ 100mm							
	0.89kg/mtr							
	No of U-bar=1539.00Nos		1539	3.00		0.89	4109.13	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		27	153.90		0.61	2534.73	
	Cross Road - 1, RHS							
	Total Drain length=113.10m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1131.00Nos		1131	2.10		0.61	1448.81	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	113.10		0.61	1310.83	
	Cross Road - 1, LHS							
	Total Drain length=97.70m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=977.00Nos		977	2.10		0.61	1251.54	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	97.70		0.61	1132.34	
	Cross Road - 2, RHS							
	Total Drain length=88.70m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=887.00Nos		887	2.10		0.61	1136.25	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	88.70		0.61	973.93	
	Cross Road - 2, LHS							
	Total Drain length=103.60m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪ ರವರಿಗ ಮಾಹಿತಿ [illegible]

	No of U-bar=1036.00Nos		1036	2.10		0.61	1327.12	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	103.60		0.61	1200.72	
	Cross Road - 3, RHS							
	Total Drain length=33.20m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=332.00Nos		332	2.10		0.61	425.29	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	33.20		0.61	384.79	
	Cross Road - 3, LHS							
	Total Drain length=32.90m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=329.00Nos		329	2.10		0.61	421.45	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	32.90		0.61	381.31	
	Cross Road - 4, LHS							
	Total Drain length=34.00m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=340.00Nos		340	2.10		0.61	435.54	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	34.00		0.61	394.06	
	Cross Road - 5, RHS							
	Total Drain length=17.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=170.00Nos		170	1.90		0.61	197.03	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		17	17.00		0.61	176.29	
	Cross Road - 5, LHS							
	Total Drain length=17.0m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=170.00Nos		170	1.90		0.61	197.03	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		17	17.00		0.61	176.29	
	Cross Road - 6, LHS							
	Total Drain length=23.00m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=230.00Nos		230	2.10		0.61	294.63	
	Distribution bar							

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿ

	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	19	23.00		0.61	266.57	
	Cross Road - A, Frm Cross rd 2						
	Total Drain length=75.00m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=750.00Nos	750	2.00		0.61	915.00	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	17	75.00		0.61	777.75	
	Cross Road - B, Frm Cross rd A						
	Total Drain length=36.10m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=361.00Nos	361	2.10		0.61	462.44	
	Distribution bar						
	Distribution bar 10mm dia @ 110mm						
	0.61kg/mtr	19	36.10		0.61	418.40	
	Culvert						
	Total Drain length=19.30m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=386.00Nos	386	2.30		0.61	541.56	
	Distribution bar						
	Distribution bar 10mm dia @ 120mm						
	0.61kg/mtr	38	19.30		0.61	447.37	
	Culvert						
	Total Drain length=22.50m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=450.00Nos	450	2.80		0.61	768.60	
	Distribution bar						
	Distribution bar 10mm dia @ 120mm						
	0.61kg/mtr	46	22.50		0.61	631.35	
	Culvert						
	Total Drain length=10.50m						
	Main bar 10mm dia bar @ 100mm						
	0.61kg/mtr						
	No of U-bar=450.00Nos	210	3.10		0.61	397.11	
	Distribution bar						
	Distribution bar 10mm dia @ 120mm						
	0.61kg/mtr	50	10.50		0.61	320.25	
						25855.51	
					Present Qty	**25.86**	**Ton**

Contractor

NEMZEN CONSULTANT * BANGALORE * PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಉಪವಿಭಾಗ.

Asst. Executive Engineer,
B.B.M.P. Bangalore-106

8.1.2020

08/01/2020

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರು ಮಂಜೂರು ಮಾಡಿರುವ...

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)									
	Pre-measurement sheet no 1 to 3						1380.23			
						Present Qty	**1380.23**	**Cum**	**215.28**	**297136.00**
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and									
	Pre-measurement sheet no 4 to 6						170.94			
						Present Qty	**170.94**	**Cum**	**5421.90**	**926828.00**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification									
	Pre-measurement sheet no 7 to 11						355.18			
						Present Qty	**355.18**	**Cum**	**7070.20**	**2511194.00**
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per									
	Pre-measurement sheet no 12 to 14						25.86			
						Present Qty	**25.86**	**Ton**	**73992.24**	**1913107.00**

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೆಂಗಳೂರು.
ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-106
22/11/2020

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Measurement : 23/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
	Doddabettahalli									
	Main Road, LHS									
	Ch: 0 to 23.2m		1	23.20	1.20		27.84			
	Road gap									
	Ch: 0 to 28.70m		1	28.70	1.20		34.44			
	Road gap									
	Ch: 0 to 26.3m		1	26.30	1.20		31.56			
	Road gap									
	Ch: 0 to 26.7m		1	26.70	1.20		32.04			
	Road gap									
	Ch: 0 to 27.50m		1	27.50	1.20		33.00			
	Road gap									
	Ch: 0 to 3.90m		1	3.90	1.20		4.68			
	Gap									
	Ch: 0 to 17.60m		1	17.60	1.20		21.12			
	Cross Road - 1									
	RHS									
	Ch: 0 to 4.7m		1	4.70	0.90		4.23			
	Ch: 4.7 to 34.7m		1	30.00	0.90		27.00			
	Ch: 34.7 to 64.7m		1	30.00	0.90		27.00			
	Ch: 64.7 to 78.2m		1	13.50	0.90		12.15			
	Road Gap									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 34.9m		1	4.90	0.90		4.41			
	LHS									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 33.4m		1	3.40	0.90		3.06			
	Road Gap									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 37.4m		1	7.40	0.90		6.66			
	Road Gap									
	Ch: 0 to 26.9m		1	26.90	0.90		24.21			
	Cross Road - 2									
	RHS									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			
	Ch: 30 to 31.9m		1	1.90	0.90		1.71			
	Road Gap									
	Ch: 0 to 14.4m		1	14.40	0.90		12.96			
	Ch: 14.4 to 27.8m		1	13.40						
	Ch: 27.8 to 36.2m		1	8.40	0.90		7.56			
	Road Gap									
	Ch: 0 to 30.0m		1	30.00	0.90		27.00			

GFC

22/01/2020

Ch: 30 to 34.0m		1	4.00	0.90		3.60			
LHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 34.10m		1	4.10	0.90		3.69			
Road Gap									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 37.90m		1	7.90	0.90		7.11			
Road Gap									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 31.6m		1	1.60	0.90		1.44			
Cross Road - 3									
RHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 33.2m		1	3.20	0.90		2.88			
LHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 32.9m		1	2.90	0.90		2.61			
Cross Road - 4									
LHS									
Ch: 0 to 30.0m		1	30.00	0.90		27.00			
Ch: 30 to 34.00m		1	4.00	0.90		3.60			
Cross Road - 5									
LHS									
Ch: 0 to 17.0m		1	17.00	0.75		12.75			
RHS									
Ch: 0 to 17.0m		1	17.00	0.75		12.75			
Cross Road - 6									
LHS									
Ch: 0 to 23.0m		1	23.00	0.90		20.70			
Cross Road - A, Frm Cross rd 2									
LHS									
Ch: 0 to 24.80m		1	24.80	0.75		18.60			
Road gap									
Ch: 0 to 25.20m		1	25.20	0.75		18.90			
Road gap									
Ch: 0 to 25.00m		1	25.00	0.90		22.50			
Cross Road - B, Frm Cross rd A									
RHS									
Ch: 0 to 30.00m		1	30.00	0.90		27.00			
Ch: 30 to 36.10m		1	6.10	0.90		5.49			
					Present Qty	**776.25**	**Sqm**		
					Limitted to	**775.20**	**Sqm**	**2337.00**	**1811643.00**

22/01/2020

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

23/1/2020

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬ.ಬ.ಎಂ.ಪಿ ರವರು ಮಂಜೂರಾತಿ ನೀಡಿರುವುದು

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Measurement : 24.1.2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
6	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer									
	Doddabettahalli									
	Main Road, LHS									
	Ch: 0 to 23.2m		1	23.20			52.00			
	Road gap									
	Ch: 0 to 28.70m		1	28.70			64.00			
	Road gap									
	Ch: 0 to 26.3m		1	26.30			58.00			
	Road gap									
	Ch: 0 to 26.7m		1	26.70			59.00			
	Road gap									
	Ch: 0 to 27.50m		1	27.50			61.00			
	Road gap									
	Ch: 0 to 3.90m		1	3.90			9.00			
	Gap									
	Ch: 0 to 17.60m		1	17.60			39.00			
						Present Qty	**342.00**	**Nos**	**432.48**	**147909.00**

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರ
Asst. Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

24.1.2020

24/01/2020

2. ಮುಖ್ಯ ಲೆಕ್ಕಾಧಿಕಾರಿಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
7	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)									
	Doddabettahalli									
	Main Road, LHS									
	Ch: 0 to 23.2m		1	23.20	0.40		9.28			
	Road gap									
	Ch: 0 to 28.70m		1	28.70	0.40		11.48			
	Road gap									
	Ch: 0 to 26.3m		1	26.30	0.40		10.52			
	Road gap									
	Ch: 0 to 26.7m		1	26.70	0.40		10.68			
	Road gap									
	Ch: 0 to 27.50m		1	27.50	0.40		11.00			
	Road gap									
	Ch: 0 to 3.90m		1	3.90	0.40		1.56			
	Gap									
	Ch: 0 to 17.60m		1	17.60	0.40		7.04			
						Present Qty	**61.56**	**Sqm**	**84.80**	**5221.00**

Contractor

PMC NEWZEN CONSULTANTS

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

Asst Executive Engineer

(5)

ಸೂಚನೆಗಳು ಬಿ.ಬಿ.ಎಂ.ಪಿ ರವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Doddabettahalli layout surrounding areas in Ward No. 03 Attur

Date of Measurement : 24/1/2020

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.									
	Culvert									
	Mn Rd-1		1	5.30	1.50		7.95			
	Mn Rd-2		1	4.50	1.80		8.10			
	Mn Rd-3		1	5.20	1.50		7.80			
	Mn Rd-4		1	6.40	1.50		9.60			
	Mn Rd-5		1	6.00	1.80		10.80			
	Cross Rd-1		1	6.50	1.20		7.80			
	Cross Rd-2		1	5.60	1.50		8.40			
	Cross Rd-2		1	6.00	1.20		7.20			
	Cross Rd-2		1	6.60	1.20		7.92			
						Present Qty	75.57	Sqm	5418.00	409439.00

Total	**8022477.00**
12% GST	**962698.00**
4% KRIDL	**320900.00**
Grand Total	**9306075.00**

CAFC

24/01/2020

Contractor

PMC CONSULTANT * NEWZEN BANGALORE *

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ Engineering
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

24/1/2020

ಇವರಿಗೆ ಮಾಹಿತಿಗಾಗಿ ಕಳುಹಿಸಿದೆ.